

Julia González González

POST-DOCTORAL ASSOCIATE

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PROFESSIONAL EXPERIENCE

August 2013 – October 2019 Research technician for tick control in the private reserve La Garganta (Villamagna S.A.), working in a project co-directed by Dr. Olmeda (Complutense University of Madrid) and Dr. Valcárcel (National Institute for Agricultural Research and Experimentation). My main tasks are organization and development of an integrated pest management in controlling meso-Mediterranean tick species, application of different strategies compatible with the ecological balance, regular experimental evaluation and data analysis.

September 2012-July 2013 ERASMUS scholarship in the University of Neuchâtel (Switzerland). I learnt about experimental work relating to biology and maintenance of mosquito colonies (*Anopheles gambiae*) supervised by Dr. Guerin: artificial feeding, behavior assays and applied electrophysiology tests.

EDUCATION

2018 PhD in Veterinary: *Biology and control of Hyalomma lusitanicum tick*. Dept. of Animal Health, Complutense University of Madrid (Spain).

2014 Master's degree in Veterinary Science Research. Complutense University of Madrid (Spain).

2013 Bachelor's degree in Biology: specialty in Zoology and Health Biology. Complutense University of Madrid (Spain).

COMPLEMENTARY EDUCATION

2018 Animal Experimentation Course to perform the care and euthanasia functions of animals (Madrid, Spain).

2015 Specialist Course in Control of Hunting Predators (Ciudad Real, Spain).

PUBLICATIONS

Valcárcel F, González J, González MG, Sánchez M, Tercero JM, Elhachimi L, Carbonell JD, Olmeda AS. (2020) Comparative Ecology of *Hyalomma lusitanicum* and *Hyalomma marginatum* Koch, 1844 (Acarina: Ixodidae). *Insects* 11, 303.

González J, González MG, Valcárcel F, Sánchez M, Martín-Hernández R, Tercero JM and Olmeda AS. (2020) Role of the tick *Hyalomma lusitanicum* on the maintenance of *Coxiella burnetii* in a meso-Mediterranean ecosystem. *J Med Entomol* 57(2): 551-556.

Valcárcel F, González J, Aguilar A, Sánchez M, González MG, Suárez R, Tercero AM, Tercero JM, Nieto JM, González-Guirado AM and Olmeda AS. (2018) Spirocerosis in red fox (*Vulpes vulpes*) in a natural reserve located in a meso-Mediterranean area. *Vet Parasitol Reg Stud Reports* 13: 115-119.

Checa R, López-Beceiro AM, Montoya A, Barrera JP, Ortega N, Gálvez R, Marino V, González J, Olmeda AS, Fidalgo LE and Miró G. (2018) *Babesia microti*-like piroplasm (syn. *Babesia vulpes*) infection in red foxes (*Vulpes vulpes*) in NW Spain (Galicia) and its relationship with *Ixodes hexagonus*. *Vet Parasitol* 252: 22 - 28.

Valcárcel F, González J, González MG, Sánchez M, Tercero JM and Olmeda AS. (2018) Control Integrado de Garrapatas Ixodoideas. *Ganadería* 114: 26-29.

González J, Valcárcel F, Tercero JM, Cutuli MT, Sánchez M, González MG and Olmeda AS. (2018) Ejemplo Práctico del Control Alternativo de Garrapatas en una Explotación Extensiva. *Albétar* 217: 6-10.

González J, Valcárcel F, Aguilar A and Olmeda AS. (2017) *In vitro* feeding of *Hyalomma lusitanicum* ticks on artificial membranes. *Exp Appl Acarol* 72(4): 449-459.

Valcárcel F, González J, Tercero JM and Olmeda AS. (2017) The effect of excluding ungulates on the abundance of ixodid ticks on wild rabbit (*Oryctolagus cuniculus*). *Exp Appl Acarol* 72(4): 439-447.

Requena-García F, Cabrero-Sañudo F, Olmeda AS, González J and Valcárcel F. (2017) Influence of environmental temperature and humidity on questing ticks in central Spain. *Exp Appl Acarol* 71(3): 277-290.

González J, Valcárcel F, Pérez-Sánchez JL, Tercero JM, Cutuli MT and Olmeda AS. (2016) Control of *Hyalomma lusitanicum* (Acari: Ixodidae) Ticks Infesting *Oryctolagus cuniculus* (Lagomorpha: Leporidae) Using the Entomopathogenic Fungus *Beauveria bassiana* (Hyocreales: Clavicipitaceae) in Field Conditions. *J Med Entomol* 53(6): 1396-1402.

González J, Valcárcel F, Pérez-Sánchez JL, Tercero JM and Olmeda AS. (2016) Seasonal dynamics of ixodid ticks on wild rabbits *Oryctolagus cuniculus* (Leporidae) from Central Spain. *Exp Appl Acarol* 70: 369-380.

Valcárcel F, González J, Tercero JM and Olmeda AS. (2016) Long term study of ixodid ticks feeding on red deer (*Cervus elaphus*) in a meso-Mediterranean climate. *Exp Appl Acarol* 69: 61-72.

Valcárcel F, González J, Pérez-Sánchez JL, Tercero JM and Olmeda AS. (2016) Long-Term Ecological Study of Host-Seeking Adults of *Hyalomma lusitanicum* (Acari: Ixodidae) in a Meso-Mediterranean Climate. *J Med Entomol* 53(1): 221-224.

Olmeda AS, Valcárcel F, González J and Tercero JM. (2016) Garrapatas: Patógenos y Vectores. *Revista del CBCAT* 27: 18-22.

Bárcena J, Guerra B, Angulo I, González J, Valcárcel F, Mata CP, Castón JR, Blanco E and Alejo A. (2015) Comparative analysis of rabbit hemorrhagic disease virus (RHDV) and new RHDV2 virus antigenicity, using specific virus-like particles. *Vet Res* 46:106.

Valcárcel F, Pérez-Sánchez JL, Tercero JM, Basco-Basco PI, Cota SC, Cutuli MT, González J and Olmeda AS. (2015) Control of Tick Infestations in *Oryctolagus cuniculus* (Lagomorpha: Leporidae) With Spinosad under Laboratory and Field Conditions. *J Med Entomol* 52-2: 207-213.

Kessler S, González J, Vlimant M, Glauser G and Guerin PM. (2014) Quinine and artesunate inhibit feeding in the African malaria mosquito *Anopheles gambiae*: the role of gustatory organs within the mouthparts *Physiol Entomol* 39: 172-182.

CONFERENCE PROCEEDINGS

González J, González MG, Valcárcel F, Sánchez M, Martín-Hernández R, Tercero JM and Olmeda AS. *Maintenance of Coxiella burnetii in the Wildlife of a meso-Mediterranean Environment*. Poster presentation. Advances in parasitology - Looking back to move forward. BSPP, ISP, BAVP and EVPC in Brussels (Belgium) on 3-4th of May 2018.

Valcárcel F, González J, Sánchez M, González MG, Tercero JM, Cutuli MT and Olmeda AS. *A new method of tick control under field conditions*. Oral communication. XX National Congress of the Spanish Parasitology Society. Institute of Tropical Diseases and Healthcare of the Canary Islands in Tenerife (Spain) on 19-21th of July 2017.

Valcárcel F, González J, Aguilar A, Sánchez M, González MG, Suárez R, Tercero AM, Tercero JM, Nieto JM and Olmeda AS. *Epidemiología de Spirocerca lupi en zorros en una reserva natural situada en un área meso-Mediterránea*. Oral communication. XX National Congress of the Spanish Parasitology Society. Institute of Tropical Diseases and Healthcare of the Canary Islands in Tenerife (Spain) on 19-21th of July 2017.

Checa R, González J, Valcárcel F, González F, Sánchez M, González MG, Montoya A, Gálvez R, Marino V and Miró G. *Estudio preliminar sobre las parasitosis intestinales y pulmonares de la fauna silvestre procedente de la región central de la Península Ibérica*. Poster presentation. XX National Congress of the Spanish Parasitology Society. Institute of Tropical Diseases and Healthcare of the Canary Islands in Tenerife (Spain) on 19-21th of July 2017.

Valcárcel F, González J, Tercero JM and Olmeda AS. *Influence of red deer exclusion on tick infestation of wild rabbit*. Poster presentation. XIX International Congress for Tropical Medicine and Malaria. The Australian Society for Parasitology Inc. and ASID in Brisbane (Australia) on 18-22th of September 2016.

González J, Valcárcel F, Tercero JM and Olmeda AS. *Long-term study on the tick infestation of wild rabbits in a meso-Mediterranean area*. Poster presentation. Global Challenges in Neglected Tropical Diseases. University of León (Spain) on 13-15th of July 2016.

González J, Valcárcel F, Tercero JM and Olmeda AS. *Multiparasitism and health status of wild rabbit*. Poster presentation. Global Challenges in Neglected Tropical Diseases. University of León (Spain) on 13-15th of July 2016.

González J, Valcárcel F, Mas E, Aguilar A, González-Coloma A and Olmeda AS. *Puesta a Punto de un Método de Cribado de Productos Naturales con Potencial Ixodida Administrados por Vía Oral (Alimentación in vitro) para Hyalomma lusitanicum*. Poster presentation. XIX National Congress of the Spanish Parasitology Society. University of the Basque Country in Vitoria-Gasteiz (Spain) on 23-25th of July 2015.

González J, Valcárcel F, Tercero JM, Cutuli MT and Olmeda AS. *Sistema Integrado de Control de Garrapatas en Conejos de Campo*. Oral communication. XIX National Congress of the Spanish Parasitology Society. University of the Basque Country in Vitoria-Gasteiz (Spain) on 23-25th of July **2015**.

Olmeda AS, Pérez-Sánchez JL, Tercero JM, Cota SC, Cutuli MT, González J and Valcárcel F. *Control of Tick Infestations in Oryctolagus cuniculus (Lagomorpha: Leporidae) with Spinosad under Field Conditions*. Poster presentation. 13th International Congress of Parasitology. Universidad Nacional Autónoma de México en Ciudad de México (Mexico) on 10-15th of August **2014**.

Olmeda AS, González J, Tercero JM, Aguilar A and Valcárcel F. *First in vitro feeding of the tick Hyalomma lusitanicum*. Oral communication. 13th International Congress of Parasitology. Universidad Nacional Autónoma de México en Ciudad de México (Mexico) on 10-15th of August **2014**.

Olmeda AS, Sainz P, Valcárcel F, González J, Tercero JM, Sanz J, Burillo J, Martínez Díaz R and González-Coloma A. *Larvicidal effects of extracts from Artemisia assona cultivated under different environmental conditions against the tick Hyalomma lusitanicum*. Poster presentation. 13th International Congress of Parasitology. Universidad Nacional Autónoma de México en Ciudad de México (Mexico) on 10-15th of August **2014**.

TEACHING EXPERIENCE

2017-2018 Teaching Assistant in the course: *Introducción a la Identificación de Vectores de Interés en Salud Pública y Sanidad Animal*. National Institute for Agricultural Research and Experimentation (Madrid, Spain).

2016-2018 Teaching Assistant in the training course: *Entomología Sanitaria*. Military Health School (Madrid, Spain).

2015 Teaching Assistant in the *Parasitology* subject of Veterinary Degree. Complutense University of Madrid (Spain).

PARTICIPATION IN RESEARCH PROJECTS

2019 - Present *Risk and Ecological Assessment for Management of the Asian Longhorned Tick, Haemaphysalis longicornis, in the Northeastern US*. Funding CDC. Northeast Regional Center for Excellence in Vector-borne Diseases (NEVBD).

2016 - 2018 *Perspectivas del control de garrapatas. Actualización del estado de resistencia a acaricidas y posibles alternativas con nuevos productos* (RTA2014-00080-00-00). National Institute for Agricultural Research and Experimentation (INIA). Principal Investigator: Félix Valcárcel

2013 - 2016 *Desarrollo de Bioplaguicidas mediante Tecnologías Químicas y Biotecnológicas* (CTQ2015-64049-C3-1-R). Institute of Agricultural Sciences (ICA)-Spanish National Research Council (CSIC). Principal Investigator: Azucena González.

2013 - 2016 *Desarrollo y aplicación de un plan de control de Hyalomma lusitanicum mediante prácticas compatibles con la agricultura ecológica*. Villamagna S.A.-Complutense University of Madrid. Principal Investigator: Á. Sonia Olmeda.